

ABSTRACT OF THE DISCLOSURE

Combustion method and apparatus for NO<sub>x</sub> reduction are capable of easily achieving NO<sub>x</sub> reduction to an exhaust NO<sub>x</sub> value of 30 ppm or under. The combustion method is to 5 perform in combination a first NO<sub>x</sub> reduction step for suppressing generated NO<sub>x</sub> value to 60 ppm or under (at 0% O<sub>2</sub> in exhaust gas, dry basis) by a low NO<sub>x</sub> burner, a second NO<sub>x</sub> reduction step for recirculating exhaust gas of the low NO<sub>x</sub> burner to a burning reaction zone formed by the low NO<sub>x</sub> 10 burner, and a third NO<sub>x</sub> reduction step for adding water or steam to the burning reaction zone.